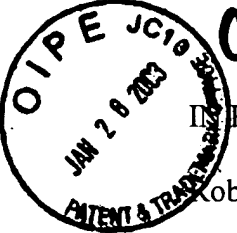


8036-1004

3662



CR 10/79-219

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE THE APPLICATION OF

Robert Hughes Jones

SERIAL NO.: 10/079,219

FILED: February 19, 2002

FOR: Seismic Detection

)
) Examiner: Ian J. Lobo
)
) Group Art Unit No. 3662
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to " Director of Patents and Trademarks, Washington, D.C. 20231, Box:A on January 21, 2003.
Name of person signing Deborah E. Dudek

Signature Deborah E. Dudek

RESPONSE TO OFFICE ACTION

Honorable Director of
Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

Responsive to the Office Action of October 21, 2002, please amend the above-identified application as follows:

Amend claim 5 to read:

sub
c1
Bl

5. (amended) A method of using a seismic detector including four seismic sensors having axes which are in a substantially tetrahedral configuration, to detect and measure seismic activity, each of the sensors being in a respective signal channel, the method including the step of checking the gains (or sensitivities) of the four channels by taking a plurality of samples from the sensors, constructing a set of simultaneous equations from the samples, and solving the equations to determine the gains (or sensitivities) of the four channels.